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FIG. 1

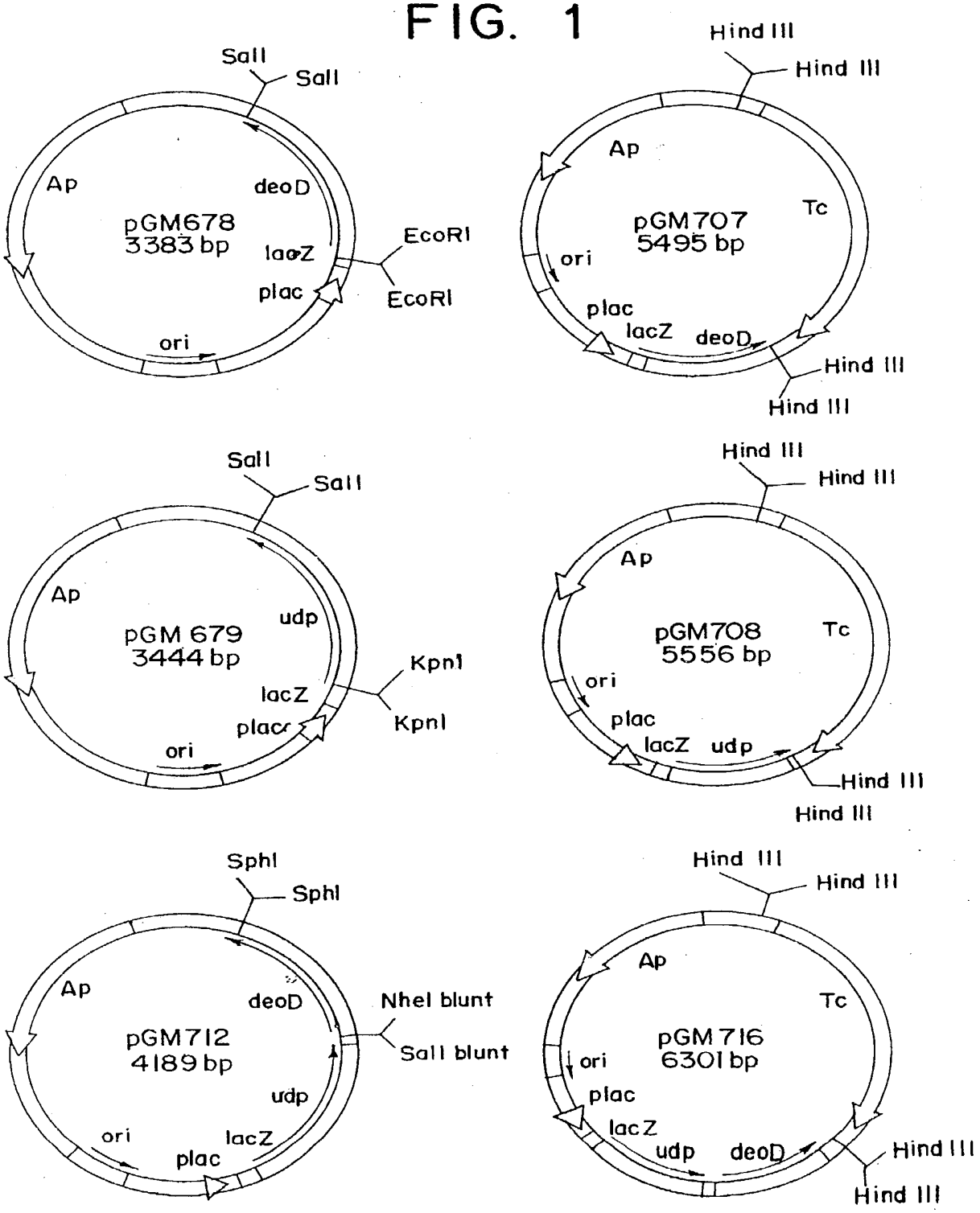

FIG. 2A

RBS *EcoRI* *KpnI* *SalI* *SphI* *HindIII*

AGGAAAACAGCT ATG ACC ATG ATT ACG AAT TCG AGC TCG GTA CCC GGG GAT CCT CTA GAG TCG ACC TGC AGG CAT GCA AGC TTG

thr met ile thr asn ser ser ser val pro gly asp pro leu glu ser thr cys arg his ala ser leu

FIG. 2B

RBS *EcoRI* *SalI*

AGGAAAACAGCT ATG ACC ATG ATT ACG AAT TCT *TCC ATG GCT ACC CCA.....TGG GCG TAA AGAGTAAGTCGACCTGC....*

thr met ile thr asn ser *ser met ala thr pro.....trp ala stop*

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FIG. 2C

RBS *KpnI* *SalI*

AGGAAAACAGCT ATG ACC ATG ATT ACG AAT TCG AGC TCG GTA CCA *TCC ATG TCC .....CTG CTG TAA TTCTCTTGTCGCAATG....*

thr met ile thr asn ser ser ser val *pro ser met ser.....leu leu stop*

FIG. 2D

SalI/NheI RBS *EcoRI* *SalI* *SphI*

GTCGACTAGCAGGAGGAATTCTTCC *ATG GCT ACC CCA..... TGG GCG TAA AGAGTAAGTCGACCTGCAGGCATGCAA*

met ala thr pro..... trp ala stop

FIG. 3A

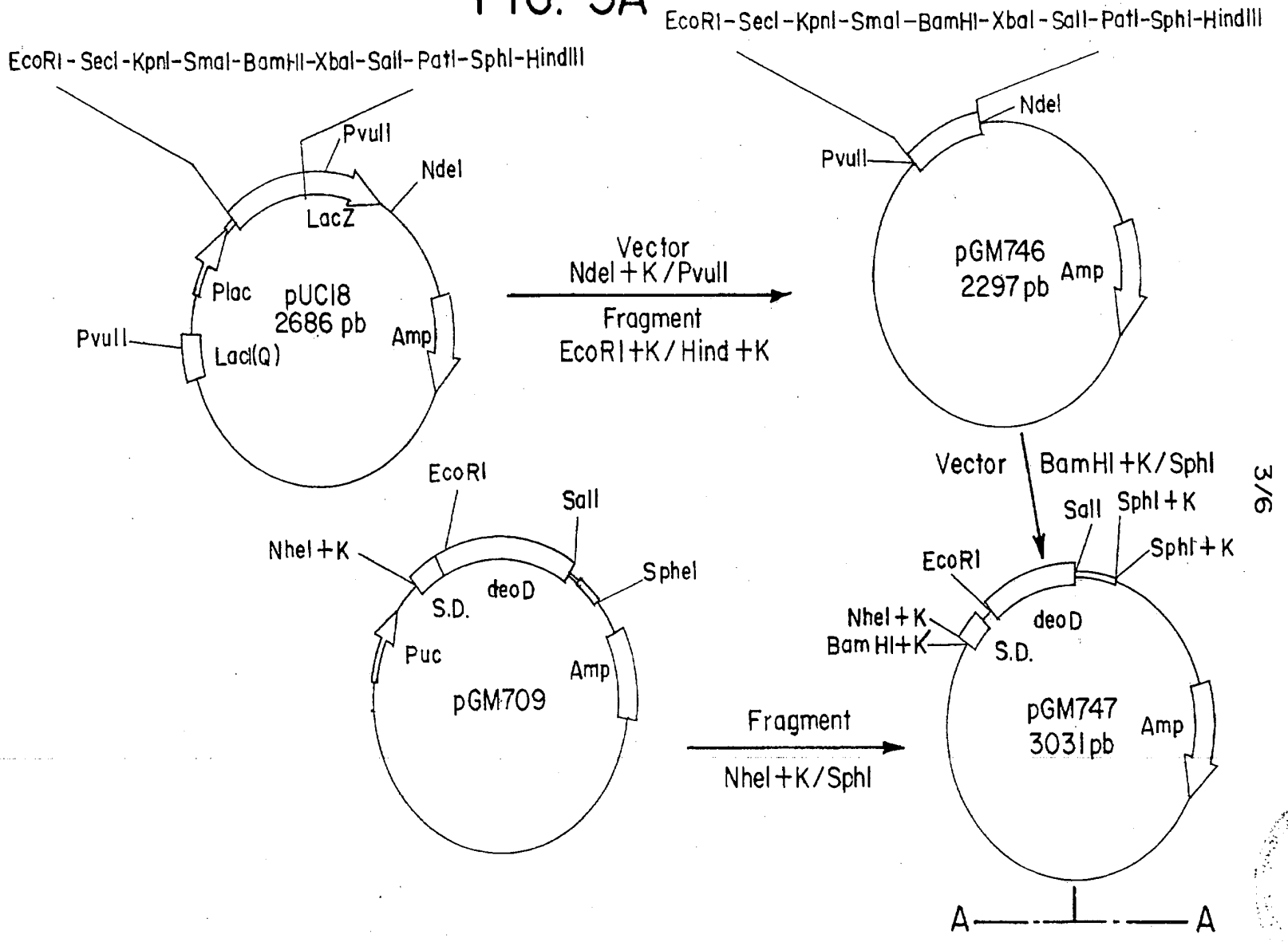
EcoRI - SecI - KpnI - SmaI - BamHI - XbaI - SalI - PstI - SphI - HindIII
PvuII
NdeI
LacZ
Plac
pUC18
2686 pb
PvuII
LacI(Q)
Amp
Vector
NdeI + K / PvuII
Fragment
EcoRI + K / Hind + K
EcoRI - SecI - KpnI - SmaI - BamHI - XbaI - SalI - PstI - SphI - HindIII
NdeI
PvuII
pGM746
2297 pb
Amp
Vector
BamHI + K / SphI
SalI
SphI + K
EcoRI
NheI + K
BamHI + K
deoD
S.D.
pGM747
3031 pb
Amp
EcoRI
SalI
NheI + K
deoD
S.D.
Puc
Amp
pGM709
SphI
Fragment
NheI + K / SphI
A
A

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FIG. 3B

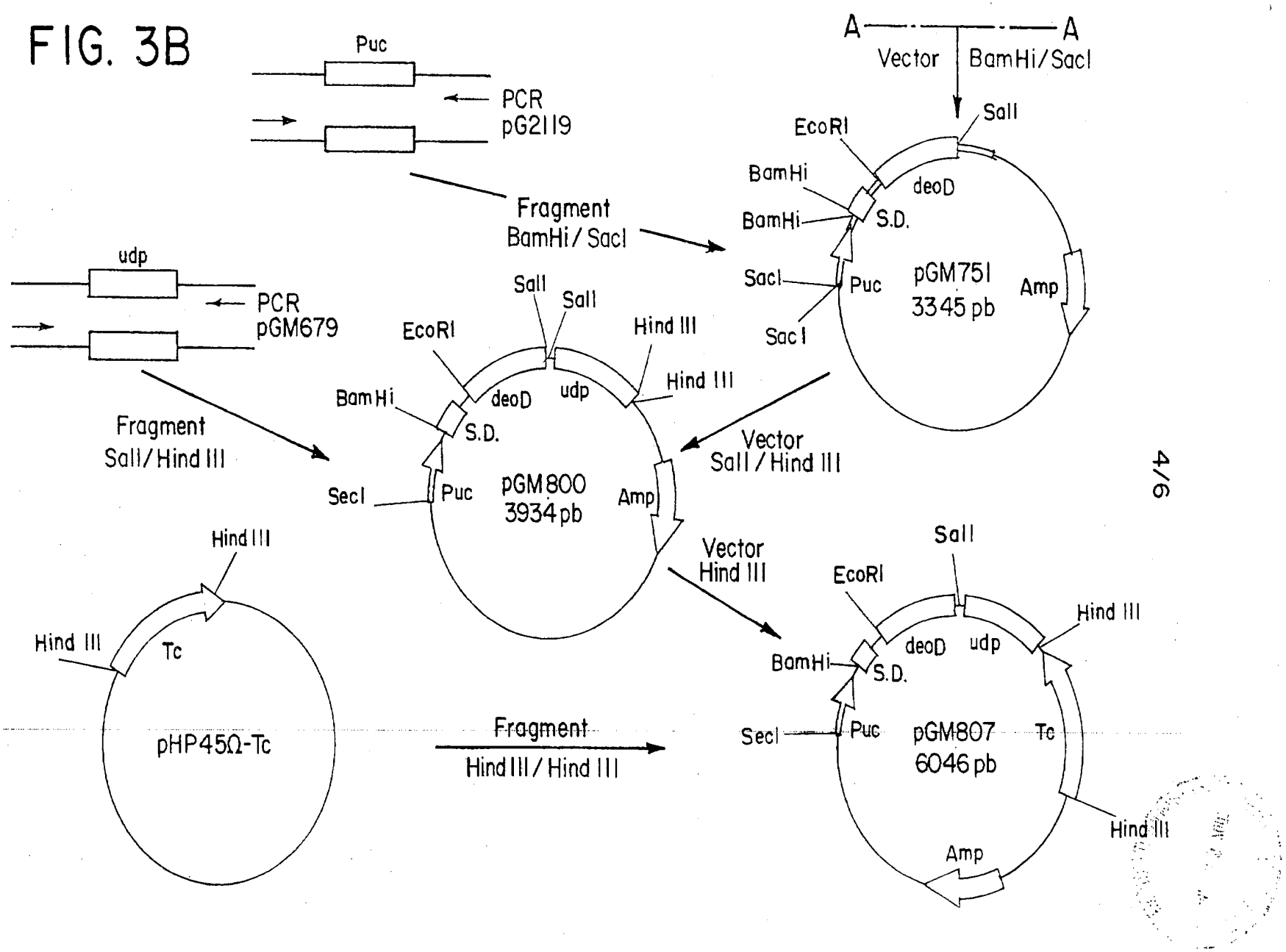
Puc
PCR
pG2119
Fragment
BamHi / SacI
A
A
Vector
BamHi/SacI
SalI
EcoRI
BamHi
BamHi
deoD
S.D.
SacI
Puc
pGM751
3345 pb
Amp
Sac I
udp
PCR
pGM679
SalI
SalI
EcoRI
Hind III
Hind III
BamHi
deoD
udp
S.D.
Fragment
SalI/Hind III
SecI
Puc
pGM800
3934pb
Amp
Vector
SalI / Hind III
Hind III
Vector
Hind III
SalI
EcoRI
Hind III
Hind III
Tc
deoD
udp
BamHi
S.D.
pHP45Ω-Tc
Fragment
Hind III / Hind III
SecI
Puc
pGM807
6046 pb
Tc
Hind III
Amp

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FIG. 4

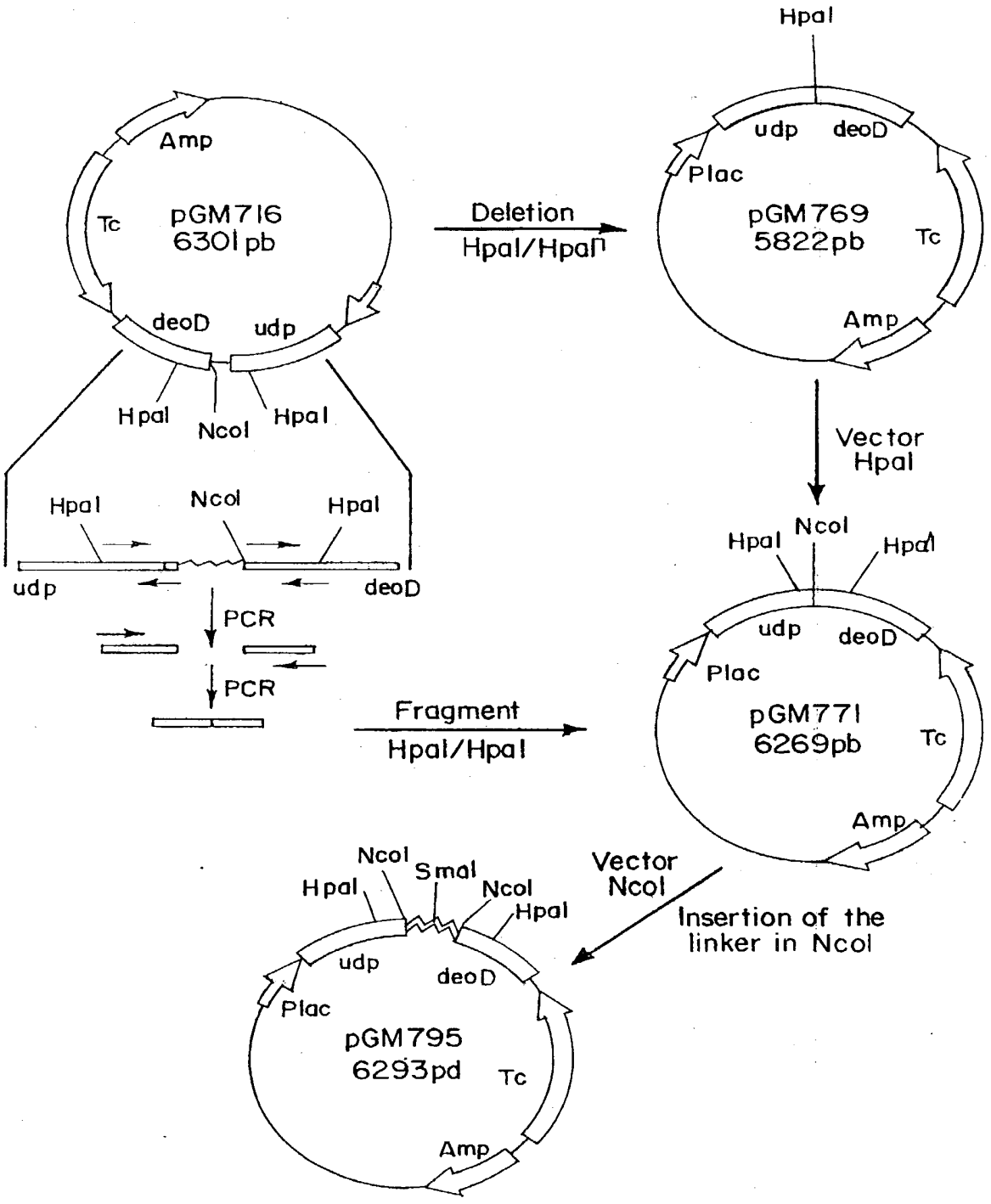

FIG. 5